

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	47164	(surface near2 rough \$6) same (substrate wafer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:30
L2	10080	430/ 5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:31
L3	2297	430/ 22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:31
L4	294	1 and (L2 L3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:31
L5	9135030	reduc\$5 attenuat\$4 semi\$1transparent (semi partially) adj (transparent transmissive) semi \$1transmissive partially \$1transparent partially \$1transmissive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:32
L6	8513	1 same 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:32
L8	80	6 and (2 3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:32
L9	11653	(surface near2 roughen \$4) same (substrate wafer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:36
L10	1608	9 same 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:36
L11	21	10 and (2 3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:36

L12	5743	(surface near2 roughen \$4) near2 (treatment process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:49
L13	566	12 same 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:49
L14	6	13 and (2 3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:49
L15	925	((roughen\$4) near2 (treatment process)) same 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:54
L16	6	15 and (2 3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 14:54
L18	8798	((roughen\$4) near2 (treatment process))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 15:01
L19	20	18 and (2 3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 15:01
L20	3082566	(reducing attenuat\$4 semi\$1transparent (semi partially) adj (transparent transmissive) semi \$1transmissive partially \$1transparent partially \$1transmissive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 15:23
L21	145	12 same 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 15:23
L22	2	21 and (2 3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 15:23
L23	31	12 same 20	EPO; JPO; DERWENT	OR	ON	2008/10/21 15:24
S1	1	((YOSHI NORI) near2 (IWANAGA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/17 08:48

S2	10076	430/ 5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:50
S3	2297	430/ 22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:50
S4	694943	(\$6mask reticle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:53
S5	345023	(rear back bottom) with (substrate wafer S4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:53
S6	2426	S5 and (S2 S3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:54
S7	9128901	(reduc\$5 attenuat\$4 semi\$1 transparent (semi partially) adj (transparent transmissive) semi \$1transmissive partially \$1transparent partially \$1transmissive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:56
S8	42941	(S5 same S7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:56
S9	504	S8 and (S2 S3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:57
S10	16584	(S5 with S7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:57
S11	183	S10 and (S2 S3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 09:57
S12	3	"11133588"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 10:04
S13	5	("5387484"   "5624773").PN. OR ("7001697").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/17 10:59

S14	994	(S7 with (rough\$5)) same S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 11:17
S15	104	S14 and (S2 S3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 11:17
S16	98	S15 not S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 11:17
S17	2526	(back\$1side back adj (side surface)) near2 S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:11
S18	86014	S7 with (peripheral)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:11
S19	1	S17 same S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:11
S20	283327	S7 with (peripheral edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:18
S21	7	S17 same S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:18
S22	258238	S7 with (perimeter outer border)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:21
S23	5	S17 same S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:21
S24	207	(S17 same S7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:26
S25	53	S24 and (S2 S3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/17 14:26
S26	1	("6249335").PN. OR ("6866968").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/17 14:37

S27	695115	(\$6mask reticle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 07:20
S28	60675	S27 with (peripheral edge outer border)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 07:20
S29	2526	(back\$1side back adj (side surface)) near2 S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 07:20
S30	200	S28 same S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 07:20
S31	10076	430/5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 07:21
S32	2297	430/22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 07:21
S33	24	S30 and (S31 S32)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 07:21
S34	3	("5387484"   "5929997").PN. OR ("6048650").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/20 08:12
S35	247	((rear back bottom) with S27) and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 08:17
S36	1500	((rear back bottom) with S27) and S31) not S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 09:06
S37	9132431	reduc\$5 attenuat\$4 semi\$1transparent (semi partially) adj (transparent transmissive) semi \$1transmissive partially \$1transparent partially \$1transmissive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 09:26
S38	297	(((rear back bottom) with S27) same S37) and S31) not S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 09:26

S39	9152050	(reduc\$5 attenuat\$4 semi\$1 transparent (semi partially) adj (transparent transmissive) semi \$1transmissive partially \$1transparent partially \$1transmissive half \$1tone half adj tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 11:38
S40	21269	S39 near2 S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 11:38
S41	2455	S40 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 11:39
S42	41	S40 same (alignment adj (pattern feature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 11:39
S43	4	S42 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 11:40
S44	73	S40 and (alignment adj (pattern feature)) and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 11:40
S45	778	(polish\$4 thin\$5) and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 14:49
S46	93	((polish\$4 thin\$5) same (opaque light \$1shield\$4)) and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 14:50
S47	745	((polish\$4 thin\$5) same (opaque light \$1shield\$4)) and S31 not S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:03
S48	6	(((polish\$4 thin\$5) same (opaque light \$1shield\$4)) same ((non\$1device non \$1pattern) near2 (pattern region))) and S31) not S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:06

S49	5	((((polish\$4 thin\$5) same (opaque light \$1shield\$4)) same ((auxiliary alignment) near2 (pattern region))) and S31) not S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:07
S50	3479	((partial adj (remov\$4 etch\$4) thin\$5 diminish \$4) same (opaque light \$1shield\$4 chrome\$3 absorb\$4 non \$1transmissive non \$1transmitting light adj blocking light adj imped \$4)) same (alignment)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:30
S51	56	S50 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:31
S52	18	(S50 and S32) not S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:40
S53	23441	((partial adj (remov\$4 etch\$4) thin\$5 diminish \$4) same (opaque light \$1shield\$4 chrome\$3 absorb\$4 non \$1transmissive non \$1transmitting light adj blocking light adj imped \$4)) same (peripheral edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:47
S54	221	S53 and (S31 S32)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/20 15:48
S55	10080	430/5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:09
S56	2297	430/22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:09
S57	695472	(\$6mask reticle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:09

S58	45	(reflect\$5 same front same back) same S57 and (S55 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:09
S59	7920	((non\$1device non \$1pattern non \$1resolvable non \$1imprinting sub \$1resolution alignment non adj device non adj pattern\$4 non adj resolvable non adj imprinting) with (edge corner peripheral border side)) same S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:14
S60	2953815	((partial adj (remov\$4 etch\$4) thin\$5 diminish \$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:16
S61	685	S59 same S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:19
S62	32	S61 and (S55 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:19
S63	11550	(partial adj (remov\$4 etch\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:30
S64	8109	((non\$1device non \$1pattern non \$1resolvable non \$1imprinting sub \$1resolution alignment non adj device non adj pattern\$4 non adj resolvable non adj imprinting) near2 (pattern mark region)) with (edge corner peripheral border side))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:31
S65	2	S64 same S63 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:31
S66	9	S64 same S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:32

S67	51478	((non\$1device non \$1pattern non \$1resolvable non \$1imprinting sub \$1resolution alignment non adj device non adj pattern\$4 non adj resolvable non adj imprinting) near2 (pattern mark region))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:35
S68	24	S67 same S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:35
S69	15	(alignment registration) near2 (mark feature pattern) same S63 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:37
S70	95	(partial adj (remov\$4 etch\$4) with (opaque light\$1shield\$4 chrome \$3 absorb\$4 non \$1transmissive non \$1transmitting light adj blocking light adj imped \$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:44
S71	1	S70 same (non \$1device non\$1pattern non\$1resolvable non \$1imprinting sub \$1resolution alignment non adj device non adj pattern\$4 non adj resolvable non adj imprinting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:45
S72	5	S70 and (S55 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:45
S73	681	(partial adj (remov\$4 etch\$4) thinning) with (opaque light\$1shield \$4 chrome\$3 absorb\$4 non\$1transmissive non \$1transmitting light adj blocking light adj imped \$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:50

S74	10	S73 same (non \$1device non\$1pattern non\$1resolvable non \$1imprinting sub \$1resolution alignment non adj device non adj pattern\$4 non adj resolvable non adj imprinting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:50
S75	29	S73 and (S55 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:51
S76	60400	(alignment registration) near2 (mark pattern area)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:56
S77	22	S76 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:57
S78	6	S77 and (S55 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 07:57
S80	14502	S76 same S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 08:00
S81	1295	S80 and (S55 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 08:00
S82	659	S80 and (S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 08:00
S83	272	((S76 same (opaque light\$1shield\$4 chrome \$3 absorb\$4 non \$1transmissive non \$1transmitting light adj blocking light adj imped \$4)) same S57) and (S55 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/21 08:01
S84	1	("6440613").PN.	USPAT; USOCR	OR	OFF	2008/10/21 08:17
S85	1	("5741613").PN.	USPAT; USOCR	OR	OFF	2008/10/21 08:21

S86	:4	("5987160"   "6124081"   "6132908").PN. OR ("6576379").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/21 10:03
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